

ENGINE

ModelIsuzu CC-6BG1T
 Type4-cycle water-cooled, direct injection
 AspirationTurbocharged, intercooled
 No. of cylinders6

Rated power
 ISO 9249 / SAE J1349, net168 HP (170 PS) at 2100 min⁻¹ (rpm)
 Maximum torque637 Nm (65 kgfm) at 1800 min⁻¹ (rpm)
 Piston displacement6.494 L
 Bore and stroke105 mm x 125 mm
 Batteries2 x 12 V / 88 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps
 Main pumps2 variable displacement axial piston pumps
 Maximum oil flow2 x 212 L/min
 Pilot pump1 gear pump
 Maximum oil flow33.6 L/min

Relief Valve Settings
 Implement circuit350 kgf/cm² (34.3 Mpa)
 Swing circuit310 kgf/cm² (30.4 Mpa)
 Travel circuit350 kgf/cm² (34.3 Mpa)
 Pilot circuit40 kgf/cm² (3.9 Mpa)
 Power boost388 kgf/cm² (38.0 MPa)

UPPER STRUCTURE

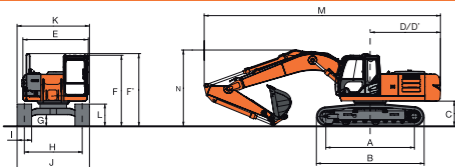
Swing speed12.2 min⁻¹ (rpm)
 Swing torque65.1 kNm (6 638 kgfm)

BACKHOE ATTACHMENTS

Capacity ISO Heaped (m ³)	Width		Tooth Point (no's)	Weight kg	Max. Material Density (kg/m ³)	Arm Length (m)
	Without side cutters	With side cutters				
0.9 GP	1130	1240	5	769	1800	2.9
1.0 HD	1245	1269	4	962	2000	2.4
1.1 GP	1330	1440	6	929	1800	2.4
1.22 ELM	1460	1570	6	857	1500	2.4
Block handling	1236	-	4	1240	G&M	2.4
1.7	1802	-	-	799	1150	2.4

G&M - Granite and Marble

DIMENSIONS



	ZX220LC (STD/HD)
A Distance between tumblers	3 660
B Undercarriage length	4 460
*C Counterweight clearance	1 040
D Rear-end swing radius	2 910
D' Rear end length	2 910
E Overall width of upperstructure	2 700
F Overall height of cab	2 940
F' Overall height of upperstructure	3 010
*G Min. ground clearance	450
H Track gauge	2 390
I Track shoe width	600
J Undercarriage width	2 990
K Overall width	2 990
*L Track height with triple grouser shoes	920
M Overall length	With 2.4 m arm 9 750 With 2.9 m arm 9 750
N Overall height of boom	With 2.4 m arm 3 030 With 2.9 m arm 3 070

Unit: mm * Excluding track shoe lug G: Triple grouser shoe

UNDER CARRIAGE

Tracks
 Heat-treated connecting pins with dirt seals Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

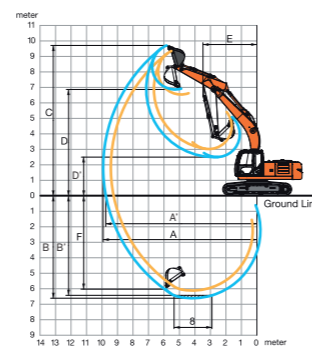
Numbers of Rollers and Shoes on Each Side
 Upper roller2
 Lower roller8
 Track shoes49
 Track guard2

Travel Device
 Each track driven by 2-speed axial piston motor.
 Parking brake is spring-set/hydraulic-released disc type.
 Automatic transmission system: High-Low.
 Travel speedsHigh : 0 to 5.0 km/h
Low : 0 to 3.5 km/h
 Maximum traction force184 kN (18 800 kgf)
 Gradeability70% (35 degree) continuous

SERVICE REFILL CAPACITIES

Fuel tank400.0 L
 Engine coolant23.0 L
 Engine oil25.0 L
 Swing device6.2 L
 Travel device (each side)6.8 L
 Hydraulic system240.0 L
 Hydraulic oil tank135.0 L

WORKING RANGES



	Boom length	5.68 m
	Arm length	2.4 m / 2.9 m
A	Max. digging reach	9 435 / 9 930
A'	Max. digging reach (on ground)	9 260 / 9 760
B	Max. digging depth	6 160 / 6 630
B'	Max. digging depth for 2.5 m level	5 950 / 6 470
C	Max. cutting height	9 700 / 10 070
D	Max. dumping height	6 870 / 7 200
D'	Min. dumping height	3 180 / 2 630
E	Min. swing radius	3 180 / 3 190
F	Max. vertical wall digging depth	5 720 / 6 140

Unit: mm

Tata Hitachi Construction Machinery Company Private Limited
 Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025
 Telephone: +91 80 66953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in



Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.

ULTRA PERFORMANCE



NEW
ZAXIS220LC
ULTRA

Model Code : ZX220LC-5G | Engine Power : 168 HP @ 2100 rpm | Operating Weight : 21,700 kg | Bucket Capacity : ISO Heaped: 0.9-1.7 m³

ULTRA PERFORMANCE

Unmatched Performance

- Regeneration Circuits
- Enhanced Power Boost
- Best-in-class Swing Speed
- Auto Power Lift Mode
- High Production with Low Fuel Consumption
- Faster Cycle Time
- Swift Front Attachment Movements



Limitless Reliability and Durability

- Reliable Japanese Engine
- Robust Structures
- Strengthened Undercarriage
- Reliable Pump and Motors
- Proven Upper Structure
- Reinforced Front Attachments
- Durable Components



Top-Notch Technology and Versatility

- HIOS III Hydraulic System
- New-age Micro-Processor Based Controls
- ConSite Telematics Suite
- Global e-Service
- Factory fitted rock breaker piping kit
- Easily customizable with attachments, such as, rock breaker, auger, orange peel grab, quick coupler, etc.



Redefined Comfort and Safety

- Well Ventilated and Spacious Cabin
- Auto control Air Conditioner
- Ergonomically Placed Controls
- Suspension Seat
- AM/FM, Bluetooth Music System with Powerful Speakers

Safety:

- OPG Cabin
- Powerful LED lights



Assured Support

- Extended Warranty
- Wide-spread Dealer Network
- Field Diagnostic Vehicle
- Mobile Workshop

